Express Mail No. EV336671006US

Attorney Docket No. 108298633US1 Disclosure No. 01-0389.01/US

JUL 2 9 200	JUL Z 9 2004 E			COMPLETE IF KNOWN			
A.	<i>y</i>			Application Number	10/775,703		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Confirmation Number	3834		
STATEMENT BY APPLICANT				Filing Date	February 10, 2004		
		149 (Modified)		First Named Inventor	Stephen Moxham		
	(Use several sheets if necessary)			Group Art Unit	2826		
				Examiner Name	Alexander O. Williams		
Sheet	1	of	1	Attorney Docket No.	108298633US1		

		U.S.	. PATENT DOCUMENTS		
Examiner Initials*	Cite No.	U.S. Patent or Application Kind Code NUMBER (if known)	Name of Patentee or Inventor of Cited Document	Date of Publication or Filling Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
or		10/034,924 Attorney Docket No. 108298633US	Moxham et al.	Filed 12/26/2001	
pr		10/153,086 Attorney Docket No. 108298736US2	King et al.	Filed 05/22/2002	
pr		10/775,736 Attorney Docket No. 108298633US2	Moxham et al.	Filed 02/10/2004	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Form PTO-1449 (Modified) (Use several sheets if necessary)

of

5

Sheet

	COMPLETE IF KNOWN	
Application Number	101775703	
Confirmation Number		
Filing Date	February 10, 2004	
First Named Inventor	Stephen Moxham	
Group Art Unit	2676	
Examiner Name	Williams	
Attorney Docket No.	108298633US1	

		U.S	. PATENT DOCUMENTS		
Examiner Initiats*	Cite No.	U.S. Patent or Application Kind Code NUMBER (if known)	Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
pa)		5,062,565	Wood et al.	11/05/1991	
		5,128,831	Fox, III et al.	07/07/1992	
		5,145,099	Wood et al.	09/08/1992	
		5,255,156	Chang	10/19/1993	
		5,286,679	Farnworth et al.	02/15/1994	. 1.
		5,444,303	Greenwood et al.	08/22/1995	
		5,504,373	Oh et al.	04/02/1996	
		5,544,124	Zagar et al.	08/06/1996	
		5,593,927	Farnworth et al.	01/14/1997	
		5,642,262	Terrill et al.	06/24/1997	
		5,656,863	Yasunaga et al.	08/12/1997	
		5,677,566	King et al.	10/14/1997	
		5,723,906	Rush	03/03/1998	
		5,734,559	Banerjee et al.	03/31/1998	
		5,826,628	Hamilton	10/27/1998	
		5,843,799	Hsu et al.	12/01/1998	
		5,879,965	Jiang et al.	03/09/1999	
	-	5,891,797	Farrar	04/06/1999	•
		5,936,844	Walton	08/10/1999	
		5,946,553	Wood et al.	08/31/1999	
		5,946,314	Licciardi et al.	08/31/1999	
		5,986,209	Tandy	11/16/1999	
		5,990,566	Farnworth et al.	11/23/1999	
		Re. 36,469	Wood et al.	12/28/1999	
		6,018,249	Akram et al.	01/25/2000	
a		6,020,624	Wood et al.	02/01/2000	

EXAMINER	lome	DATE CONSIDERED 10/21/04
*EXAMINER:	Initial if reference considered, whether or not criteria is in confinct considered. Include copy of this form with next communic	ormance with MPEP 609. Draw line through citation if not in conformance and ation to application(s).

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Form PTO-1449 (Modified) (Use several sheets if necessary)

of

5

2

Sheet

C	COMPLETE IF KNOWN
Application Number	10/775703
Confirmation Number	
Filing Date	February 10, 2004
First Named Inventor	Stephen Moxham
Group Art Unit	7826
Examiner Name	Williams
Attorney Docket No.	108298633US1

			U	S. PATENT DOCUMENTS		
Examiner Initials*)	Cite No.		n Gnd Code (if known)	Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
an!		6,025,728		Hembree et al.	02/15/2000	
		6,048,744		Corisis et al.	04/11/2000	
		6,048,755		Jiang et al.	04/11/2000	
		6,048,755		Jiang et al.	04/11/2000	
		6,072,233		Corisis et al.	06/06/2000	
		6,089,920		Farnworth et al.	07/18/2000	•
		6,097,087		Farnworth et al.	08/01/2000	
		6,097,087		Farnworth et al.	08/01/2000	
		6,103,547		Corisis et al.	08/15/2000	
	_	6,107,122		Wood et al.	08/22/2000	
		6,108,210		Chung	08/22/2000	
		6,111,205		Leddige et al.	08/29/2000	
		6,118,179		Farnworth et al.	09/12/2000	
		6,118,179		Famworth et al.	09/12/2000	
		6,130,474		Corisis	10/10/2000	
		6,133,068		Kinsman	10/17/2000	
		6,133,622		Corisis et al.	10/17/2000	
		6,148,509		Schoenfeld et al.	11/21/2000	
		6,150,710		Corisis	11/21/2000	
		6,150,717		Wood et al.	11/21/2000	
		6,153,924		Kinsman	11/28/2000	
		6,159,764		Kinsman et al.	12/12/2000	
		6,180,504	B1	Famworth et al.	01/30/2001	
		6,180,504	B1	Famworth et al.	01/30/2001	
a		6,188,232	B1	Akram et al.	02/13/2001	

EXAMINER	ell hat	DATE CONSIDERED (5/21/04)
*EXAMINER:	Initial if reference considered, whether or not criteria is in confe not considered. Include copy of this form with next communic	ormance with MPEP 609. Draw line through citation if not in conformance and ation to application(s).

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Form PTO-1449 (Modified) (Use several sheets if necessary)

of

5

3

Sheet

COMPLETE IF KNOWN					
Application Number	10/775703				
Confirmation Number					
Filing Date	February 10, 2004				
First Named Inventor	Stephen Moxham				
Group Art Unit	2826				
Examiner Name	11). 11, ams				
Attorney Docket No.	108298633US1				

			U.	S. PATENT DOCUMENTS		
Examiner Initials*	Cite No.	U.S. Patent or Appli	ication Kind Code (if known)	Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
an		6,201,304	B1	Moden	03/13/2001	
		6,201,305	B1	Darveaux et al.	03/13/2001	
		6,214,716	B1	Akram	04/10/2001	
		6,225,689	B1	Moden et al.	05/01/2001	
		6,228,548	B1	King et al.	05/08/2001	
		6,229,202	B1	Corisis .	05/08/2001	
		6,232,666	B1	Corisis et al.	05/15/2001	
		6,232,147	B1	Matsuki et al.	05/15/2001	
		6,239,489	B1	Jiang	05/29/2001	
		6,246,108	B1	Corisis et al.	06/12/2001	
		6,246,110	B1	Kinsman et al.	06/12/2001	
\bot		6,247,629	B1	Jacobson et al.	06/19/2001	
		6,258,623	B1	Moden et al.	07/10/2001	-
		6,258,624	B1	Corisis	07/10/2001	
		6,259,153	B1	Corisis	07/10/2001	
		6,261,865	B1	Akram	07/17/2001	
		6,265,766	B1	Moden	07/24/2001	
		6,271,580	B1	Corisis	08/07/2001	
	_	6,281,042	B1	Ahn et al.	08/28/2001	
		6,284,571	B1	Corisis et al.	09/04/2001	
	_	6,285,204	B1	Famworth	09/04/2001	
	-	6,291,894	B1	Farnworth et al.	09/18/2001	
_		6,297,547	B1	Akram	10/02/2001	
		6,303,981	B1	Moden	10/16/2001	
		6,303,985	B1	Larson et al.	10/16/2001	
_om		6,310,390	B1	Moden	10/30/2001	

EXAMINER al (V) Livring	DATE CONSIDERED 10/2-1/04
*EXAMINER: Initial if reference considered, whether or not criteria is in confunct considered. Include copy of this form with next communic	formance with MPEP 609. Draw line through citation if not in conformance and cation to application(s).

COMPLETE IF KNOWN 10/725703 Application Number INFORMATION DISCLOSURE **Confirmation Number** STATEMENT BY APPLICANT Filing Date February 10, 2004 Form PTO-1449 (Modified) First Named Inventor Stephen Modham (Use several sheets if necessary) Group Art Unit Examiner Name Sheet 4 5 of Attorney Docket No. 108298633US1

				U	.S. PATENT DOCUMENTS			
Examiner Initials*	Cite No.			ind Code	Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Wh Relevant Passages or Relevant Figures Appear	
Pr-1		6,326	5,698	B1	Akram	12/04/2001		
		6,329	9,222	B1	Corisis et al.	12/11/2001		
		6,329	9,705	B1	Ahmad	12/11/2001		
		6,331	1,221	B1	Cobbley	12/18/2001		
(6,331	1,448	B1	Ahmad	12/18/2001		
$-\!\perp$		6,344	1,976	B1	Schoenfeld et al.	02/05/2002		
		6,391	1,681	B1	Corisis	05/21/2002		
		6,392	2,291	B1	Corisis	05/21/2002		
		6,410),990	B2	Taylor et al.	06/25/2002		
		6,429	9,528	B1	King et al.	08/06/2002		,
		6,477	7,046	B1	Steams et al.	11/05/2002		
		2002	/0195345	A1	Bentsen et al.	12/26/2002		
		2002	/0195614	A1	Tay et al.	12/26/2002		
_An		2003	/0030965	A1	Chua et al.	02/13/2003		
				FOR	EIGN PATENT DOCUMENTS			
Examiner Initials*	Cite No.	F Office		nd Code f known)	Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	 _T
R	٠٠ .,٠	EP	0 398 628	A2 A3	Kabushiki Kaisha Toshiba	11/22/1990		
		EP	0 413 451	A2 A3	Inmos Ltd.	02/20/1991		
		wo	92/17901	A1	Integrated System Assemblies Corporation	10/15/1992		
		DE	196 00 401	A1	Siemens AG	07/17/1997		
Ø~		DE	197 14 470	A1	Hewlett-Packard Co.	12/11/1997		

EXAMINER OF WARDER	DATE CONSIDERED 10/21/04
*EXAMINER: Initial if reference considered, whether or not criteria is in confe	L ormance with MPEP 609. Draw line through citation if not in conformance and

not considered. Include copy of this form with next communication to application(s).

COMPLETE IF KNOWN Application Number INFORMATION DISCLOSURE Confirmation Number STATEMENT BY APPLICANT Filing Date February 10, 2004 Form PTO-1449 (Modified) First Named Inventor Stephen Moxham (Use several sheets if necessary) Group Art Unit Examiner Name 5 5 Sheet of Attorney Docket No.

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.	Fo Office		on Gnd Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	т
m		EP	0 853 337	A1	Fujitsu Ltd.	07/15/1998		
					T-NON PATENT LITERATURE I			
Examiner Initials*	Cite No.	(,,,,)))					т	
BU		VAN ZANT, Peter, "Microchip Fabrication: A Practical Guide to Semiconductor Processing," page 545, McGraw-Hill, New York, Third Edition, October 1996, ISBN: 0070672504.						
		HARPER, Charles A. and MILLER, Martin B., "Electronic Packaging, Microelectronics, and Interconnection Dictionary," page 211, McGraw-Hill, New York, February 1993, ISBN: 0070266883.						
		KOHL, James E. et al., "Low Cost Chip Scale Packaging and Interconnect Technology," 7 pages, Proceedings of the Surface Mount International Conference, San Jose, California, September 1997, http://www.epic-tech.com/smtppr.pdf >.						
		KOHL, James E. et al., "EPIC CSP™ Assembly and Reliability Methods," 5 pages, Proceedings of CSI98, Santa Clara, California, May 1998, http://www.epic-tech.com/cspi982.pdf >.						
	SINGER, Adam T. et al., "Cost Considerations for CSP Variations," 9 pages, presented at Chip Scale International, San Jose, California, May 1998, http://www.epic-tech.com/ibis_papr.pdf .							
		15 pa	ges, Future Fat	Intern	I., "Technologies and Trends ational, Volume 11, June 29, documents.asp?d_ID=660>.	2001,	l Packaging,"	
an		LAU, John H., "Ball Grid Array Technology," McGraw-Hill, Inc., Chapter 8, "Reliability of Ceramic Ball Grid Array Assembly," 1995, pp. 224-265.						

EXAMINER	DATE CONSIDERED				
al to walk	/ / /				
alt o www.	10/21/04				
	19/01/07				
*EXAMINER: Initial if reference considered, whether or not criteria is in confi	progress with MDED 600. Down line through citation if set in conference and				
and the control of th					
not considered. Include conviol this form with next communication to application(s)					